

DATA REQUIREMENT LISTING FOR THE OWNER SUBMISSION METHOD OF SUPPORT

1. PRODUCT NAME: ANTHIUM DIOXIDE-C 5. APPLICANT'S NAME AND ADDRESS International Dioxide, Inc. 136 Central Avenue Clark, New Jersey 07066	2. EPA REG.NO/FILE SYMBOL 9150- 6. APPLICATION FOR REGISTRATION DATED 9 / 4 / 80 Mo. Day Yr.	3. FORMULATOR'S EXEMPTION SELECTED YES _____ NO <u>X</u> 7. NAME OF ACTIVE INGREDIENT(S): Stabilized Chlorine Dioxide	4. PAGE <u>1</u> of <u>3</u>
---------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------

8. DATA REQUIREMENTS		9. SOURCE OF DATA SATISFYING REQUIREMENT						10. MRID NUMBER, EPA ACCESSION NUMBER OR OTHER EPA IDENTIFYING NUMBER
8a. Regulation Part 158/ Guideline Number	8b. Name of Test	9a. Submitted by Applicant	9b. Date Submitted	9c. Submitted by another person/firm (name)	9d. Permission Letter Enclosed	9e. Public Literature	9f. N.A. or Waiver or other (Explain)	
\$158.20	PRODUCT CHEMISTRY							
61-1	Identity of ingredients	X	10/15/86				See CSF	
61-2	Statement of composition	X	10/15/86				See CSF	
61-3	Discussion of formation of ingredients	X	10/15/86				See Attach 4	
62-1	Preliminary analysis	X	10/15/86				"	
62-2	Certification of limits	X	10/15/86				See CSF	
62-3	Analytical methods for enforcement limits	X	10/15/86				See Attach 2	
63-2	Color	X	10/15/86				See Attach 1	
63-3	Physical state	X	10/15/86				"	
63-4	Odor	X	10/15/86				"	
63-5	Melting point	N/A					"	
63-6	Boiling point	X	10/15/86				"	
63-7	Density, bulk-density, or specific gravity	X	10/15/86				"	

1. PRODUCT NAME: ANTHIUM DIOXIDE-C 5. APPLICANT'S NAME AND ADDRESS International Dioxide, Inc. 136 Central Avenue Clark, New Jersey 07066	2. EPA REG.NO/FILE SYMBOL 9150- 6. APPLICATION FOR REGISTRATION DATED 9/4 /80 Mo. Day Yr.	3. FORMULATOR'S EXEMPTION SELECTED YES _____ NO <u>X</u> 7. NAME OF ACTIVE INGREDIENT(S): Stabilized Chlorine Dioxide	4. PAGE <u>2</u> of <u>3</u>
---------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------

8. DATA REQUIREMENTS		9. SOURCE OF DATA SATISFYING REQUIREMENT						10. MRID NUMBER, EPA ACCESSION NUMBER OR OTHER EPA IDENTIFYING NUMBER
8a. Regulation Part 158/ Guideline Number	8b. Name of Test	9a. Submitted by Applicant	9b. Date Submitted	9c. Submitted by another person/firm (name)	9d. Permission Letter Enclosed	9e. Public Literature	9f. N.A. or Waiver or other (Explain)	
\$158.20	PRODUCT CHEMISTRY (Continued)							
63-8	Solubility	X	10/15/86				See Attach 1	
63-9	Vapor pressure	X	10/15/86				"	
63-10	Dissociation constant	N/A					"	
63-11	Octanol/water partition coefficient	N/R					"	
63-12	pH	X	10/15/86				"	
63-13	Stability	X	10/15/86				"	
63-14	Oxidizing/reducing reaction	X	10/15/86				"	
63-15	Flammability	X	10/15/86				"	
63-16	Explodability	X	10/15/86				"	
63-17	Storage stability	X	10/15/86				See Attach 3	
63-18	Viscosity	X	10/15/86				See Attach 1	
63-19	Miscibility	N/A					"	

Date:

INTENDING FOR THE OWNER

METHOD OF SUPPORT

1. PRODUCT NAME: ANTHIUM DIOXCIDE-C	2. EPA REG.NO/FILE SYMBOL 9150-	3. FORMULATOR'S EXEMPTION SELECTED YES _____ NO <u>X</u>	4. PAGE <u>3</u> of <u>3</u>
5. APPLICANT'S NAME AND ADDRESS International Dioxide, Inc. 136 Central Avenue Clark, New Jersey 07066	6. APPLICATION FOR REGISTRATION DATED 9 / 4 / 80 Mo. Day Yr.	7. NAME OF ACTIVE INGREDIENT(S): Stabilized Chlorine Dioxide	

8. DATA REQUIREMENTS		9. SOURCE OF DATA SATISFYING REQUIREMENT						10. MRID NUMBER, EPA ACCESSION NUMBER OR OTHER EPA IDENTIFYING NUMBER			
8a. Regulation Part 158/ Guideline Number	8b. Name of Test	9a. Submitted by Applicant	9b. Date Submitted	9c. Submitted by another person/firm (name)	9d. Permission Letter Enclosed	9e. Public Literature	9f. N.A. or Waiver or other (Explain)				
\$158.20	PRODUCT CHEMISTRY (continued)										
63-20	Corrosion characteristics	X	10/15/86				See Attach 1				
63-21	Dielectric breakdown voltage	N/A					"				
\$158.135	TOXICOLOGY										
81-1	Acute oral LD-50, rat	X	10/15/86								
81-2	Acute dermal LD-50										
81-3	Acute inhalation LC-50, rat										
81-4	Primary eye irritation, rabbit	X	10/15/86								
81-5	Primary dermal irritation	X	10/15/86								
81-6	Dermal sensitization										



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date	March 26, 2020	EPA Reg. No./File Symbol	9150-2	Page 1 of 3	
Applicant's/Registrant's Name & Address: International Dioxide, Inc., 40 Whitecap Drive, North Kingstown, RI 02852		Product Anthium Dioxide			
Ingredient(s): Chlorine Dioxide (PC Code 20503)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1550	Product identity and composition	49567701	International Dioxide	OWN	
830.1600	Description of material used to product the product	49567701	International Dioxide	OWN	
830.1620	Description of the production process	-	-	-	Not required for EP
830.1650	Description of formulation process	49567701	International Dioxide	OWN	
830.1670	Discussion of formation of impurities	49567701	International Dioxide	OWN	
830.1750	Certified limits	49567701	International Dioxide	OWN	
830.1800	Enforcement analytical method	49567701	International Dioxide	OWN	
830.6302	Color	42647201 49567703	International Dioxide	OWN	
830.6303	Physical State	42647201 49567703	International Dioxide	OWN	
830.6304	Odor	42647201 49567703	International Dioxide	OWN	
830.6313	Stability	N/A	---	--	
830.6314	Oxidation/Reduction	N/A	---	--	
830.6315	Flammability	50112601	International Dioxide	OWN	
830.6316	Exploability	N/A	---	--	Footnote 1
830.6317	Storage Stability	49567704	International Dioxide	OWN	
830.6319	Miscibility	N/A	---	---	
830.6320	Corrosion characteristics	49567704	International Dioxide	OWN	
830.6321	Dielectric Breakdown Voltage	N/A	----	--	
830.7000	pH	42647201 49567703	International Dioxide	OWN	
830.7050	UV/Visible Absorption	N/A	----	---	
830.7100	Viscosity	42647201 49567703	International Dioxide	OWN	
830.7200	Melting point/melting range	N/A	-----	----	

Signature <i>Christina M. Swick</i>	Name/Title: Christina M. Swick/Agent	Date March 26, 2020
----------------------------------------	-----------------------------------------	------------------------



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date March 26, 2020			EPA Reg. No./File Symbol 9150-2		Page 2 of 3
Applicant's/Registrant's Name & Address: International Dioxide, Inc., 40 Whitecap Drive, North Kingstown, RI 02852			Product Anthium Dioxide		
Ingredient(s): Chlorine Dioxide (PC Code 20503)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7220	Boiling point/boiling range	N/A	----	---	
830.7300	Density/relative density/bulk density	42647201 49567703	International Dioxide	OWN	
830.7370	Dissociation constant	N/A	----	---	
830.7550	Partition coefficient	N/A	----	---	
830.7840	Water solubility	N/A	----	---	
830.7860	Water solubility, generator column method	N/A	----	---	
830.7950	Vapor Pressure	N/A	----	---	
870.1100	Acute Oral Toxicity	43141701	International Dioxide	OWN	
870.1200	Acute Dermal Toxicity	43141901	International Dioxide	OWN	
870.1300	Acute Inhalation Toxicity	43330401	International Dioxide	OWN	
870.2400	Acute Eye Irritation	43166601	International Dioxide	OWN	
870.2500	Acute Dermal Irritation	43141801	International Dioxide	OWN	
870.2600	Skin Sensitization	48450707 48450702	Sodium Chlorite Biocidal Product Directive Reg Group	PER PER	Footnote 2
810.2200	Disinfectants for Use on Hard Surfaces	44732001 44732002 44757601 44957001 45125901 45714201 45720901 45720902 45726701 45726702 46308101 46308102 46308103	International Dioxide International Dioxide International Dioxide International Dioxide International Dioxide International Dioxide International Dioxide International Dioxide International Dioxide International Dioxide International Dioxide International Dioxide International Dioxide	OWN OWN OWN OWN OWN OWN OWN OWN OWN OWN OWN OWN OWN	Footnote 3 Footnote 3 Footnote 3

Signature <i>Christina M. Swick</i>	Name/Title: Christina M. Swick/Agent	Date March 26, 2020
----------------------------------------	------------------------------------------------	-------------------------------



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date	March 26, 2020	EPA Reg. No./File Symbol	9150-2	Page 3 of 3	
Applicant's/Registrant's Name & Address: International Dioxide, Inc., 40 Whitecap Drive, North Kingstown, RI 02852		Product Anthium Dioxide			
Ingredient(s): Chlorine Dioxide (PC Code 20503)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		46308104 46308105 46308106 50109701 50111801	International Dioxide International Dioxide International Dioxide International Dioxide International Dioxide	OWN OWN OWN OWN OWN	Footnote 3 Footnote 3 Footnote 3
810.2300	Sanitizer for Hard Surfaces	44957001 46666801 50111802 50134701 50134702	International Dioxide International Dioxide International Dioxide International Dioxide International Dioxide	OWN OWN OWN OWN OWN	
810.2600	Disinfectant for Use in Non-Human Drinking Water	49089801 49089802 49089803 49089804	International Dioxide International Dioxide International Dioxide International Dioxide	OWN OWN OWN OWN	

FOOTNOTES

1. The product, Anthium Dioxide, is not potentially explosive therefore data to support guideline 830.6316 is not required. The lower explosive limit for the active ingredient, chlorine dioxide, is 10%. At 5% chlorine dioxide, the product is not potentially explosive.
2. Please note that International Dioxide has permission to cite the referenced study.
3. This study was conducted using Carnebon 200 (9150-3) as the test substance. Carnebon 200 is an aqueous dilution of Anthium Dioxide and both products use concentrations are identical. Therefore, the data generated using Carnebon 200 will also support Anthium Dioxide.

Signature <i>Christina M. Swick</i>	Name/Title: Christina M. Swick/Agent	Date March 26, 2020
----------------------------------------	-----------------------------------------	------------------------



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date	November 18, 2016	EPA Reg. No./File Symbol	9150-2	Page 1 of 2	
Applicant's/Registrant's Name & Address: International Dioxide, 40 Whitecap Drive, North Kingstown, RI 02852		Product Anthium Dioxide			
Ingredient(s): Chlorine Dioxide (PC Code 20503)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1550	Product identity and composition	49567701	International Dioxide	OWN	
830.1600	Description of material used to product the product	49567701	International Dioxide	OWN	
830.1620	Description of the production process	-	-	-	Not required for EP
830.1650	Description of formulation process	49567701	International Dioxide	OWN	
830.1670	Discussion of formation of impurities	49567701	International Dioxide	OWN	
830.1750	Certified limits	49567701	International Dioxide	OWN	
830.1800	Enforcement analytical method	49567701	International Dioxide	OWN	
830.6302	Color	42647201 49567703	International Dioxide	OWN	
830.6303	Physical State	42647201 49567703	International Dioxide	OWN	
830.6304	Odor	42647201 49567703	International Dioxide	OWN	
830.6313	Stability	N/A	---	--	
830.6314	Oxidation/Reduction	N/A	---	--	
830.6315	Flammability	501126-01	International Dioxide	OWN	Volume 1
830.6316	Explodability	N/A	---	--	Footnote 1
830.6317	Storage Stability	49567704	International Dioxide	OWN	
830.6319	Miscibility	N/A	---	---	
830.6320	Corrosion characteristics	49567704	International Dioxide	OWN	
830.6321	Dielectric Breakdown Voltage	N/A	----	--	
830.7000	pH	42647201 49567703	International Dioxide	OWN	
830.7050	UV/Visible Absorption	N/A	----	---	
830.7100	Viscosity	42647201 49567703	International Dioxide	OWN	
830.7200	Melting point/melting range	N/A	-----	----	

Signature <i>Christina M. Swick</i>	Name/Title: Christina M. Swick/Agent	Date November 18, 2016
----------------------------------------	-----------------------------------------	---------------------------



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date	November 18, 2016	EPA Reg. No./File Symbol	9150-2	Page 2 of 2	
Applicant's/Registrant's Name & Address: International Dioxide, 40 Whitecap Drive, North Kingstown, RI 02852		Product Anthium Dioxide			
Ingredient(s): Chlorine Dioxide (PC Code 20503)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7220	Boiling point/boiling range	N/A	----	---	
830.7300	Density/relative density/bulk density	42647201 49567703	International Dioxide	OWN	
830.7370	Dissociation constant	N/A	----	---	
830.7550	Partition coefficient	N/A	----	---	
830.7840	Water solubility	N/A	----	---	
830.7860	Water solubility, generator column method	N/A	----	---	
830.7950	Vapor Pressure	N/A	----	---	
870.1100	Acute Oral Toxicity	43141707	International Dioxide	OWN	
870.1200	Acute Dermal Toxicity	43141901	International Dioxide	OWN	
870.1300	Acute Inhalation Toxicity	43330401	International Dioxide	OWN	
870.2400	Acute Eye Irritation	43166601	International Dioxide	OWN	
870.2500	Acute Dermal Irritation	43141801	International Dioxide	OWN	
870.2600	Skin Sensitization	48450707 48450702	Sodium Chlorite Biocidal Product Directive Reg Group	PER PER	Footnote 2

FOOTNOTES

1. The product, Anthium Dioxide, is not potentially explosive therefore data to support guideline 830.6316 is not required. The lower explosive limit for the active ingredient, chlorine dioxide, is 10%. At 5% chlorine dioxide, the product is not potentially explosive.
2. Please note that International Dioxide has permission to cite the referenced study.

Signature <i>Christina M. Swick</i>	Name/Title: Christina M. Swick/Agent	Date November 18, 2016
----------------------------------------	-----------------------------------------	---------------------------